

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: **Madison et al.**

Serial No.: **09/776,191**

Filed: **February 2, 2001**

For: **NUCLEIC ACID MOLECULES ENCODING
TRANSMEMBRANE SERINE PROTEASES,
THE ENCODED PROTEINS AND METHODS
BASED THEREON**

Art Unit: **1614**

Examiner: **Unassigned**

TRANSMITTAL LETTER

Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith is Supplemental Information Disclosure Statement, Forms PTO-1449 (2 pages), and the cited references for filing in connection with the above-identified application. Because this Information Disclosure Statement is filed prior to receipt of a First Office Action on the merits in the above-referenced application, no fee is due. However, should it be determined that a fee for filing these papers is required, the Commissioner is authorized to charge Deposit Account No. 50-1213, as stated below:

(X)

The Commissioner is hereby authorized to charge any fees that may be due under 37 C.F.R. §§1.16-1.17 in connection with this paper or with this application during its entire pendency to Deposit Account No. 50-1213. A duplicate of this sheet is enclosed.

Respectfully submitted,
HELLER EHRMAN WHITE & MCAULIFFE LLP

By: _____

Stephanie L. Seidman
Registration No. 33,779

Dated: January 9, 2002
Attorney Docket No.: 24745-1607
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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN ACCORDANCE
WITH 37 C.F.R. §§ 1.97-1.98**

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Since this Supplemental Information Disclosure Statement is filed before the receipt of a first Office Action on the merits for the above-captioned application, no filing fee is due. If it is determined that a fee is due, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-1213.

In accordance with the duty of disclosure imposed by 37 C.F.R. §1.56 to inform the Patent Office of all references known by Applicant or Applicant's representative that may be material to the examination of the subject application, Applicant's representative hereby provides this Information Disclosure Statement that is prepared in accordance with 37 C.F.R. §§1.97-1.98. The Forms PTO-1449 (2 pages) and cited reference are provided herewith.

U.S.S.N. 09/776,191
MADISON, *et al.*
Supplemental IDS

The documents listed on the Forms PTO-1449 and supplied herewith are in the English language. Hence, in accordance with the requirements of 37 C.F.R. §1.98, as amended effective March 16, 1992, no further explanation of the listed items is necessary.

Although these documents are made known to the Patent and Trademark Office in compliance with Applicant's duty of disclosure, such disclosure is not to be construed as an admission by Applicant or Applicant's representative that any of the references, singly or in any combination thereof, is effective as prior art against the subject application. In accordance with 37 C.F.R. §1.97(h), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists.

Applicant respectfully requests that the Examiner review the foregoing reference and it be made of record in the file history of the above-captioned application.

Respectfully submitted,
HELLER EHRMAN WHITE & MCAULIFFE LLP

By: 
Stephanie L. Seidman
Registration No. 33,779

Dated: January 9, 2002
Attorney Docket No. 24745-1607
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FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24745-1607	SERIAL NO. 09/776,191
	APPLICANT MADISON et al.	
	FILING DATE February 2, 2001	GROUP 1614

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUB. DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No
	A	0 1 0 4 1 4 1	18/01/01	PCT			
	B	0 1 3 6 6 0 4	05/25/01	PCT			
	C	0 1 5 7 1 9 4	08/09/01	PCT			
	D	9 9 3 6 5 5 0	22/07/99	PCT			
	E	9 9 4 6 2 8 1	16/09/99	PCT			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

F	Database EMBL, Accession Number W22987, "Human Serine Protease 67", XP002169836 abstract, 8/Oct/97; abstract of Japan, <u>1997(10)</u> , 31/Oct/97; abstract of Japan 09 149790, 10/Jun/97
G	Database EMBL, Accession Number AAY41710, "Human PR0618 protein sequence", <u>Genentech Inc.</u> , XP002175683 abstract, 7/Dec/99; PCT 99 46281 A, <u>Genentech Inc.</u> , 16/Sep/99
H	Database EMBL, Accession Number AAZ34033, "Human PR0618 nucleotide sequence", <u>Genentech Inc.</u> , XP002175684 abstract, 7/Dec/99; PCT 99 46281 A, <u>Genentech Inc.</u> , 16/Sep/99
I	Database EMBL, Accession Number AAZ33949, "Human PR0382 nucleotide sequence", <u>Genentech Inc.</u> , XP002175685 abstract, 7/Dec/99; PCT 99 46281 A, <u>Genentech Inc.</u> , 16/Sep/99
J	Database EMBL, Accession Number AAY41694, "Human PR0382 protein sequence", <u>Genentech Inc.</u> , XP002175687 abstract, 7/Dec/99; PCT 99 46281 A, <u>Genentech Inc.</u> , 16/Sep/99
K	La Vallie <i>et al.</i> , "Cloning and Functional Expression of a cDNA Encoding the Catalytic Subunit of Bovine Enterokinase", <i>J. Biol. Chem.</i> , <u>268(31)</u> :23311-23327, (1993)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Title: **NUCLEIC ACID MOLECULES ENCODING TRANSMEMBRANE SERINE PROTEASES, THE ENCODED PROTEINS AND METHODS BASED THEREON**

Mail date: 01/09/02

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

L	Lu <i>et al.</i> , "Bovine Proenteropeptidase Is Activated by Trypsin, and the Specificity of Enteropeptidase Depends on the Heavy Chain", <i>J. Biol. Chem.</i> , <u>272</u> (50):31293-31300, (1997)
M	Sheau-Ling <i>et al.</i> , "Activation of hepatocyte growth factor and urokinase/plasminogen activator by matriptase, an epithelial membrane serine protease", <i>J. Biol. Chem.</i> , <u>275</u> (47):36720-36725; (2000)
N	Takeuchi <i>et al.</i> , "Cellular localization of membrane-type serine protease 1 and identification of protease-activated receptor-2 and single-chain urokinase-type plasminogen activator as substrates", <i>J. Biol. Chem.</i> , <u>275</u> (34):26333-26342; (2000)
O	Takeuchi <i>et al.</i> , "Reverse biochemistry: Use of macromolecular protease inhibitors to dissect complex biological processes and identify a membrane-type serine protease in epithelial cancer and normal tissue", <i>Nat'l. Acad. Sci. USA</i> , <u>96</u> (20):11054-11061; (1999)
P	Thompson, C.B., "Distinct Roles for the Costimulatory Ligands B7-1 and B7-2 in T Helper Cell Differentiation", <i>Cell</i> , <u>81</u> :979-982; (1995)

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